

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
SC12592ZP

In Re Application Of:

Serial No.
Unknown

Filing Date
July 8, 2003

Examiner
Unknown

Group Art Unit
Unknown

Title:

SINGLE PROOF MASS, 3 AXIS MEMS TRANSDUCER

Address to:

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-2583 as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

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Signature of Person Mailing Correspondence

Michael M. Fortkort

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Signature

Dated: July 8, 2003

John A. Fortkort, Reg. No. 38,454

John A. Fortkort P.C.
4512 Court of St. James
Austin, TX 78730

CC:

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) SC12592ZP		Application Number Unknown		
				Applicant(s) McNeil et al.				
				Filing Date July 8, 2003		Group Art Unit Unknown		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1	U.S. 5,487,305	01/30/1996	Ristic et al.	73	514.32	07/12/1994	
	2	U.S. 5,594,171	01/14/1997	Ishida et al.	73	514.32	10/25/1995	
	3	U.S. 5,806,365	09/15/1998	Zunino et al.	73	514.16	04/30/1996	
	4	U.S. 5,939,633	08/17/1999	Judy	73	514.32	06/18/1997	
	5	U.S. 6,148,670	11/21/2000	Judy	73	514.32	06/10/1999	
	6	U.S. 6,223,598	05/01/2001	Judy	73	514.32	06/18/1997	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
	1	✓ J. Connelly, A. Kourepenis, T. Marinis, "MICROMECHANICAL SENSORS IN TACTICAL GN&C APPLICATIONS", The Charles Stark Draper Laboratory, Inc., Published by the American Institute of Aeronautics and Astronautics, Inc. (2000).						
	2	✓ Giorgio Fontana, "High Performance Electrostatic Sensors and Actuators for LISA Proof Mass Control", arXiv:physics/0111006, Vol. 4 (Jan . 25, 2002)						
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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		Applicant(s) McNeil et al.	
		Filing Date July 8, 2003	Group Art Unit Unknown

*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
3	✓	Huikai Xie, Gary K. Fedder; "Vertical Comb-Finger Capacitive Actuation and Sensing For CMOS MEMS", Sensors and Actuators A95, 212-221 (2001)
4	✓	C. Byl, D. W. Howard, S. D. Collins and R. L. Smith, "MICROMACHINED, MULTI-AXIS, ACCELEROMETER with LIQUID PROOF MASS", Dept of Electrical & Computer Engineering University of California, Davis, California, Final Report 1998-99 for MICRO Project 98-145
5	✓	Harvey Weinberg, "Dual Axis, Low g, Fully Integrated Accelerometers", Analog Dialogue 33-1 (1999 Analog Devices)
6	✓	Michael Kraft, "Micromachined Inertial Sensors - Recent Developments at BSAC", pp. 1-37 (University of California - Berkeley) (presentation given at the New England American Vacuum Society Meeting in Burlington, MA, 15/06/1998)
7	✓	"Low Cost 62 g/610 g Dual Axis iMEMS® Accelerometers with Digital Output - ADXL202/ADXL210", Analog Devices, Inc. (C3037b-2, Rev. B, April, 1999).
8		"Low-Cost 2 g Dual-Axis Accelerometer with Duty Cycle Output - ADXL202E*", Analog Devices, Inc. (C02064-2.5-10, rev. A, 2000).
9	✓	Gary Li and Ampere A. Tseng, "Low Stress Packaging of a Micromachined Accelerometer", IEEE TRANSACTIONS ON ELECTRONICS PACKAGING MANUFACTURING, VOL. 24, NO. 1 (JANUARY 2001).
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